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**Today's Date: June 18, 2005**

**To: Examiner S. Crane, Art Unit: 2811**

**FAX: (703) 872-9306**

**From: Frederick E. Cooperrider #36,769  
McGinn&Gibb, PLLC  
Ph: (703) 761-2377**

**In re Application of Newns, et al**

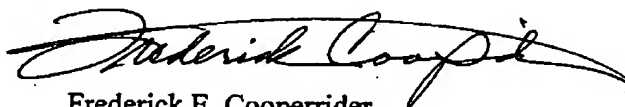
**Serial No.: 10/648,346**

**For: A GRADIOMETER-BASED FLUX QUBIT FOR QUANTUM COMPUTING AND  
METHOD THEREFOR**

**Contents: 1. Amendment and Response to Restriction Requirement (9 pages)**

**CERTIFICATION OF TRANSMISSION**

I certify that I transmitted via facsimile to (703) 872-9306 the attached Amendment and Response to Restriction Requirement to Examiner S. Crane on June 18, 2005.



Frederick E. Cooperrider  
Reg. No. 36,769

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**JUN 18 2005**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of**

**Newns et al**

**Serial No.: 10/648,346**

**Group Art Unit: 2811**

**Filed: August 27, 2003**

**Examiner: Crane, S.**

**For: A GRADIOMETER-BASED FLUX QUBIT FOR QUANTUM COMPUTING AND  
METHOD THEREFOR**

**Commissioner for Patents  
Alexandria, VA 22313-1450**

**AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT**

**Sir:**

**In response to the Election/Restrictions Requirement in the Office Action dated May 19, 2005, please amend the above-identified Application as follows and consider the response in the Remarks section herein:**